Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/19/2021 09:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124191	-1	2.06	124075	2.11
Blue	F	SSC	125000	124241	-1	3.81	124668	3.77
Blue	E	FITC	14400	14002	-3	2.77	322	15.02
Blue	D	PE	24713	24319	-2	2.27	557	10.56
Blue	B	PerCP-Cy5-5	31796	31376	-2	3.42	1036	14.42
Blue	A	PE-Cy7	21240	21377	0	5.56	570	28.77
Red	C	APC	41319	40908	-1	3.45	1713	11.54
Red	A	APC-Cy7	21019	20716	-2	3.77	774	11.72
Violet	B	V450	7305	7011	-5	3.55	425	12.81
Violet	A	V500	28652	27551	-4	3.07	690	10.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23216	2.22	562	-7	N/A	N/A	Pass
Blue	F	SSC	57791	2.48	517	5	N/A	N/A	Pass
Blue	E	FITC	59	49.42	490	-1	0.0422	0	Pass
Blue	D	PE	117	35.73	487	0	0.4444	304	Pass
Blue	B	PerCP-Cy5-5	193	34.88	584	0	0.0204	45	Pass
Blue	A	PE-Cy7	113	66.72	632	2	0.0226	0	Pass
Red	C	APC	396	23.36	575	2	0.0272	101	Pass
Red	A	APC-Cy7	174	26.58	547	2	0.0062	683	Pass
Violet	B	V450	59	62.43	453	-3	0.0515	1791	Pass
Violet	A	V500	98	37.85	467	-3	0.0251	1268	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.52	-31.33	1.05
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	19.12	15.99 - 23.99	N/A	N/A	29.74	29.99	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15796

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments